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Education

Ph.D.,Environmental Science, School of Public and Environmental Affairs, Indiana University, 2003 - 2008
MS, Environmental Science, Indiana University, Bloomington, IN, 2001 - 2003
B.S. Physics, Dokuz Eylul University, Izmir, Turkey, 1996 - 2000

Professional Experience

2008 - present **Research Scientist**, Chemical Sciences Division, Earth System Research Laboratory, National Oceanic and Atmospheric Administration (NOAA)
2002 - 2008 Research Associate, School of Public and Environmental Affairs, Indiana University

Scholarships and Awards

Mongolian Professional Fellowship, awarded by Open Society Institute, NY, 2001 – 2003
Mongolian government scholarship for undergraduate degree, 1995 – 2000
Turkish Prime Minister's fellowship, 1996 – 2000

Publications

Baasandorj, M.; Feierabend, K.J.; Burkholder, J.B., "Rate coefficients and ClO Radical Yields in the Reaction of $O(^1D)$ with $CClF_2CCl_2F$, CCl_3CF_3, $CClF_2CClF_2$, and CCl_2FCF_3 "manuscript submitted to *International Journal of Chemical Kinetics*

Baasandorj, M.; Papanastasiou, D.K.; Talukdar, R.K.; Hasson, A.S.; Burkholder, J.B., "$(CH_3)_3COOH$ (t-Butyl Hydroperoxide): OH Reaction Rate Coefficients between 206 and 375 K and the OH Photolysis Quantum Yield at 248 nm. " *Physical Chemistry Chemical Physics*, **12**, 12101-12111, 2010

Baasandorj, M.; Knight, G.; Papadimitriou, V.C.; Talukdar, R.K.; Ravishankara, A.R.; Burkholder, J.B., "Rate Coefficients for the Gas-Phase Reaction of the Hydroxyl Radical with $CH_2 = CHF$ and $CH_2 = CF_2$", *Journal of Physical Chemistry*, *A,* **114** (13), 4619-4633, 2010

Roberts, J.M.; Veres, P.; Warneke, C.; Neuman, J.A.; Washenfelder, R.A.; Brown, S.S.; **Baasandorj**, **M.**; Burkholder, J.B.; Burling, I.R.; Johnson, T.J.; Yokelson, R.J. and Gouw, J. de, "Measurement of HONO, HNCO, and Other Inorganic Acids by Negative-ion Proton-Transfer Chemical-Ionization Mass Spectrometry (NI-PT-CIMS): Application to Biomass Burning Emissions." *Atmospheric Measurement Techniques*, **3**, 981-990, 2010

Baasandorj, M.; Griffith S.; Dusanter S.;and Stevens, P.S., "Experimental and Theoretical Studies of the Kinetics of the OH plus Hydroxyacetone Reaction As a Function of Temperature", *Journal of Physical Chemistry*, *A,* **113** (39), 10495-10502, 2009

Baasandorj, M. and Stevens, P.S.," Experimental and theoretical studies of the kinetics of the reactions of OH and OD with 2-methyl-3-buten-2-ol between 300 and 415 K at low pressure", *Journal of Physical Chemistry*, *A,* **111** (4), 640 -649, 2007

Lee, W.; **Baasandorj, M.**; Stevens, P.S.; and Hites, R.A., "Monitoring OH-Initiated Oxidation Kinetics of Isoprene and Its Products Using Online Mass Spectrometry", *Environmental Science Technology,* **39** (4), 1030 -1036, 2005

Selected Presentations

"$(CH_3)_3COOH$ (t-Butyl Hydroperoxide): OH Reaction Rate Coefficients between 215 and 375 K and the OH Photolysis Quantum Yield at 248 nm" 21st International Symposium on Gas Kinetics, Leuven, Belgium July 2010

"Reaction of Hydroxyl Radicals with Fluorinated Ethylenes "American Geophysical Union Meeting, San Francisco, California December 2009

"Experimental and Theoretical Studies of the Kinetics of the OH-initiated Oxidation of Several Unsaturated Alcohols" American Geophysical Union Meeting, San Francisco, California December 2006

"Experimental Studies of the Kinetics of the OH-initiated Oxidation of Biogenic Compounds" American Geophysical Union Meeting, San Francisco, California December 2005

Professional Affiliations
Member, American Geophysical Union 2003 – present